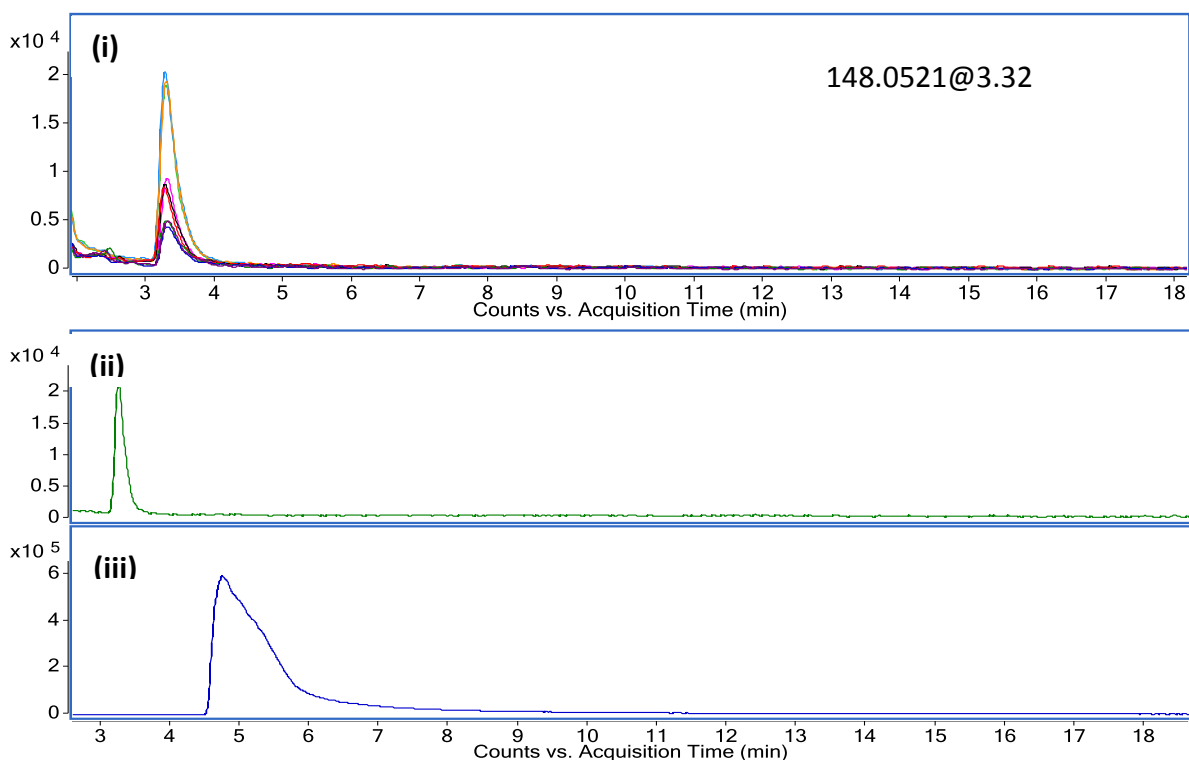


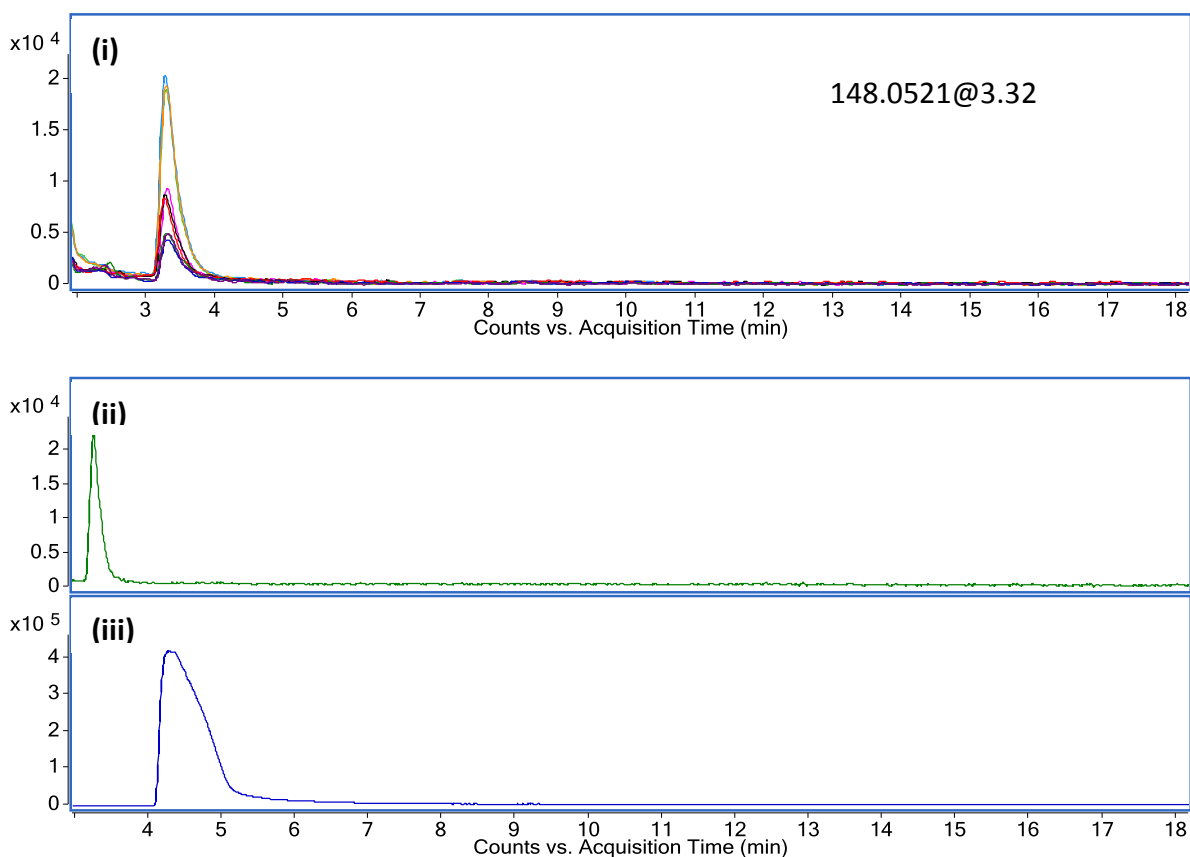
S1A Fig. Comparison with anacardic acid standard

(i) EIC of m/z 349.2741 for LJ, BLJ and LD extracts. (ii) EIC of m/z 349.2741 for LJ extract. (iii) EIC of m/z 349.2741 for anacardic acid standard.



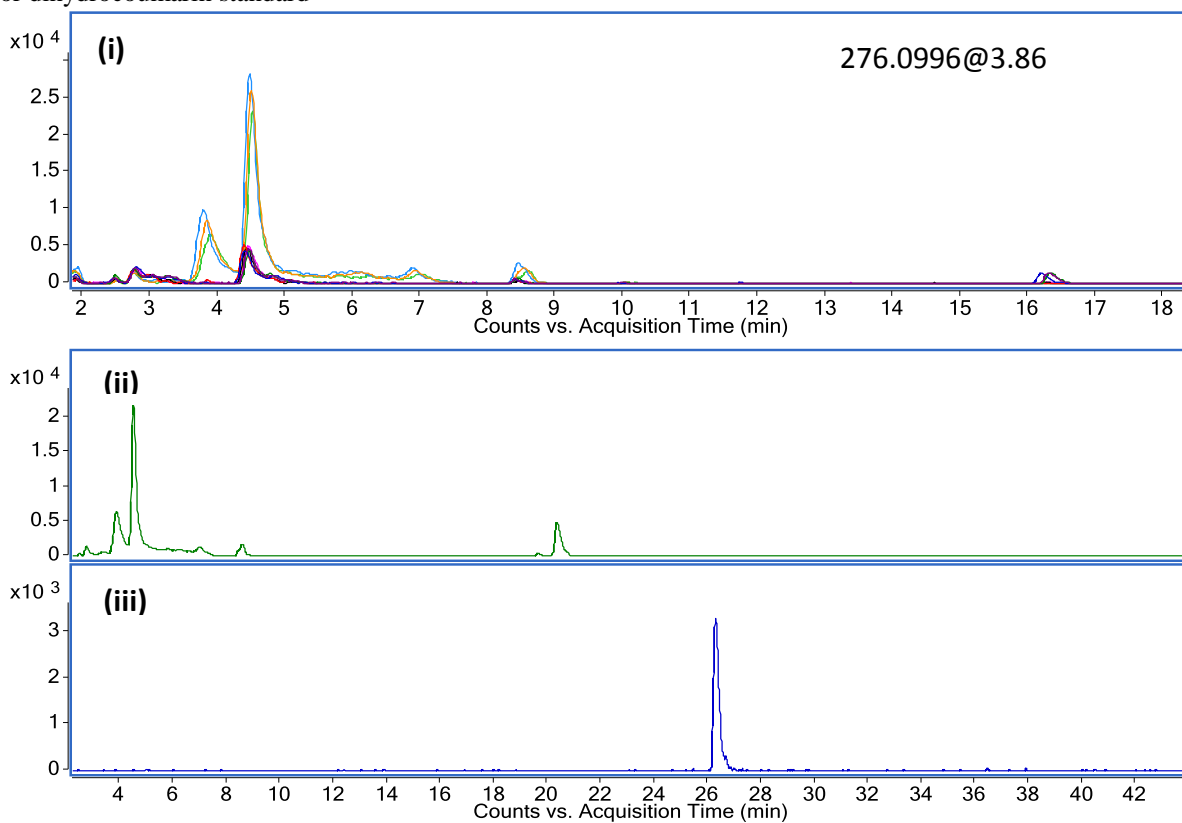
S1B Fig. Comparison with cinnamic acid standard

(i) EIC of m/z 147.0448 for LJ, BLJ and LD extracts. (ii) EIC of m/z 147.0448 for LJ extract. (iii) EIC of m/z 147.0448 for cinnamic acid standard.



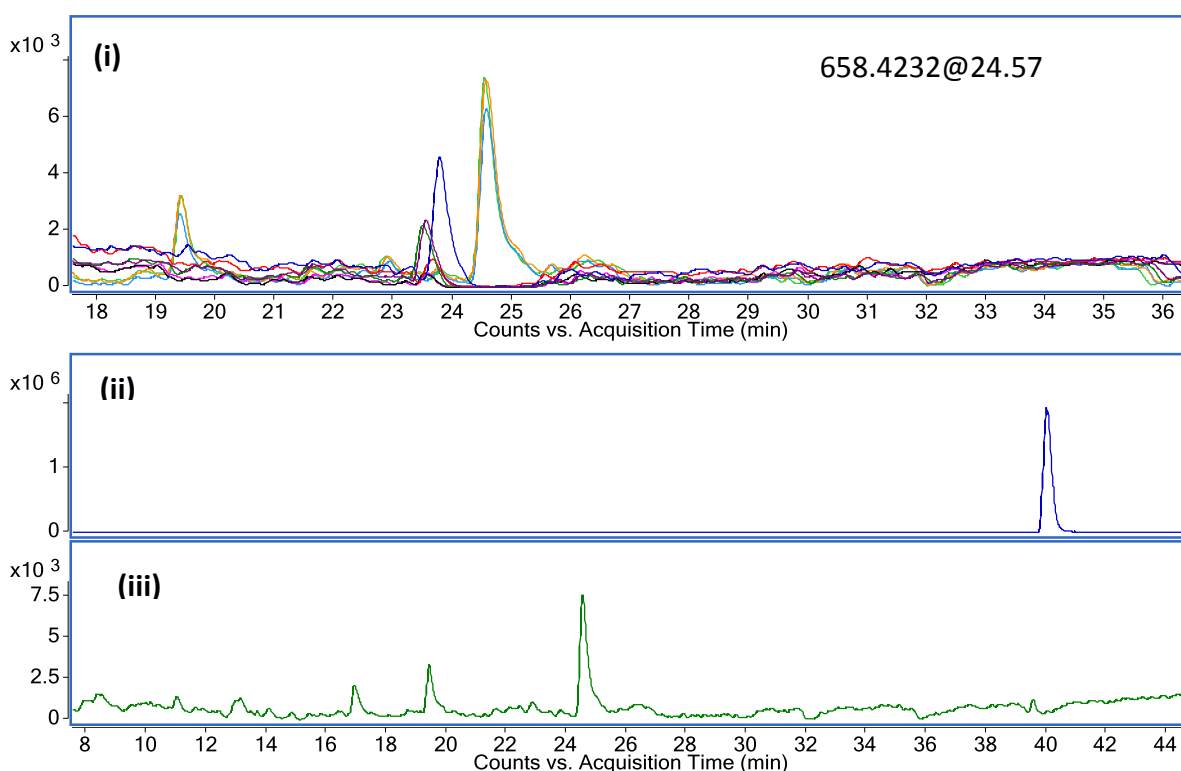
S1C Fig. Comparison with dihydrocoumarin standard

(i) EIC of m/z 147.0448 for LJ, BLJ and LD extracts. (ii) EIC of m/z 147.0448 for LJ extract. (iii) EIC of m/z 147.0448 for dihydrocoumarin standard



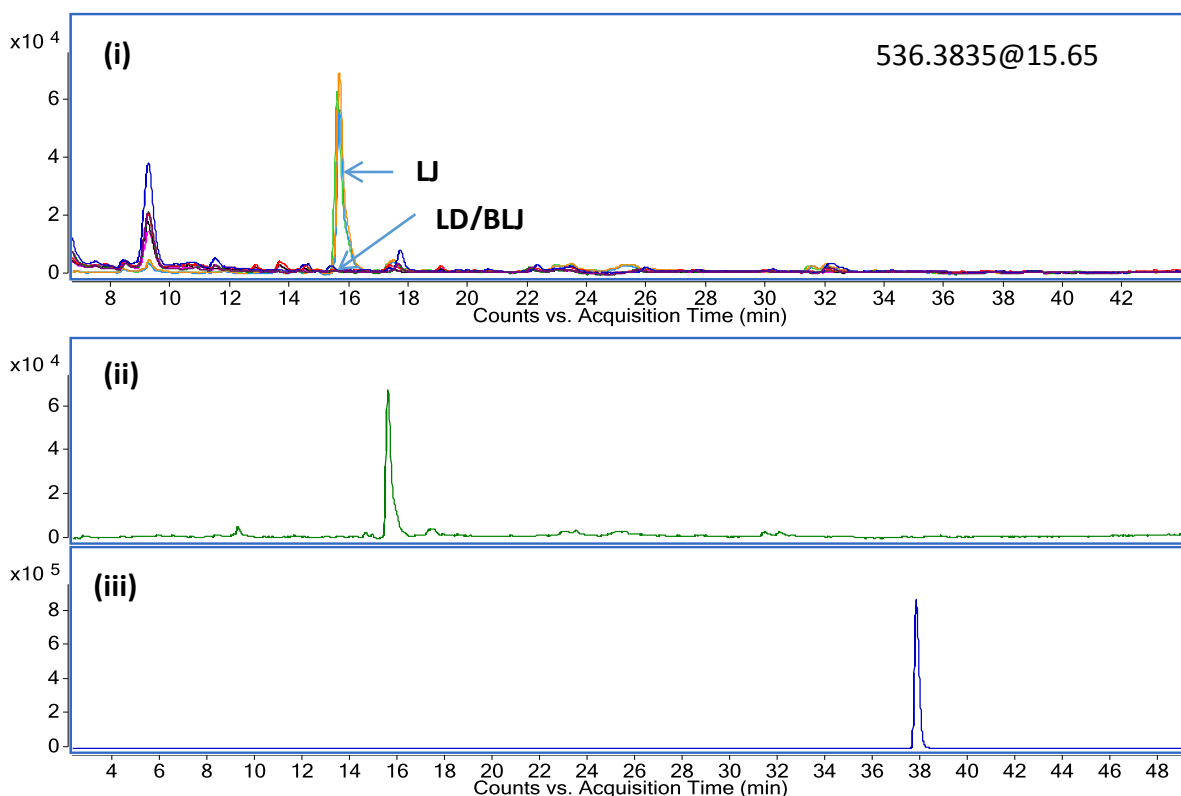
S1D Fig. Comparison with dihydromethysticin standard

(i) EIC of m/z 275.0923 for LJ, BLJ and LD extracts. (ii) EIC of m/z 275.0923 for LJ extract. (iii) EIC of m/z 275.0923 for dihydromethysticin standard



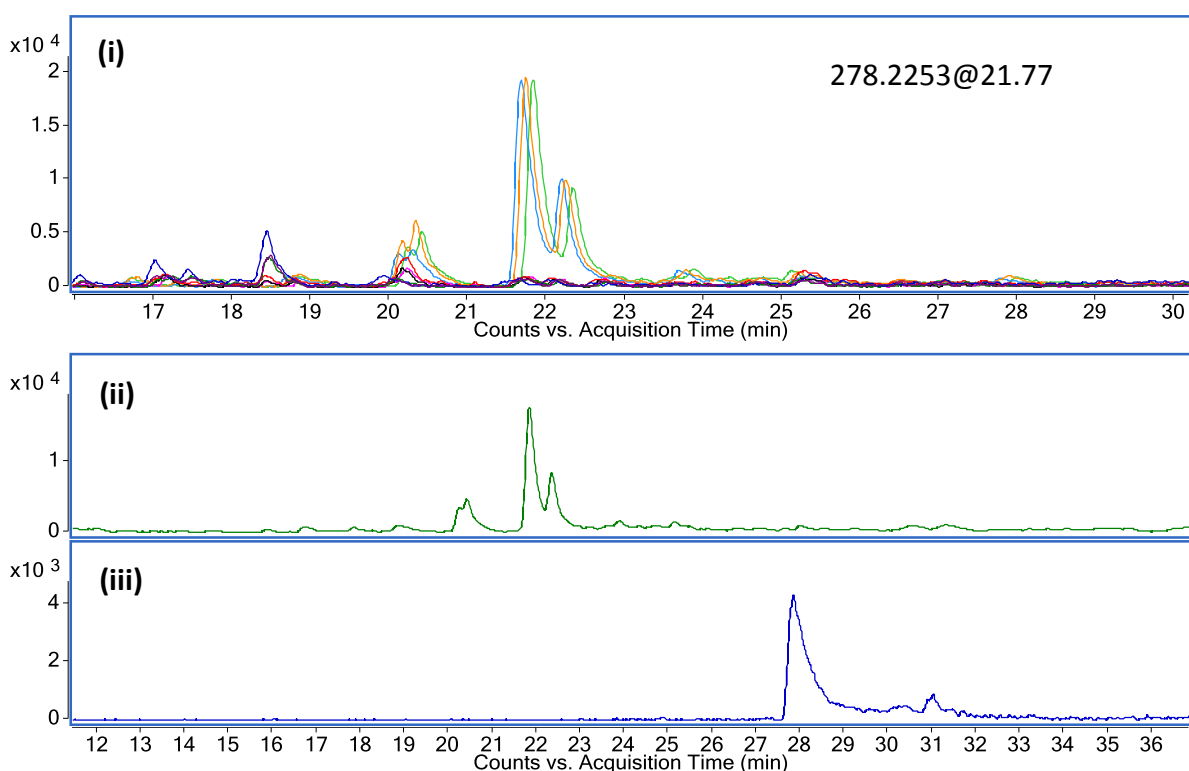
S1E Fig. Comparison with fucoxanthin standard

(i) EIC of m/z 659.4305 for LJ, BLJ and LD extracts. (ii) EIC of m/z 659.4305 for LJ extract. (iii) EIC of m/z 659.4305 for fucoxanthin standard



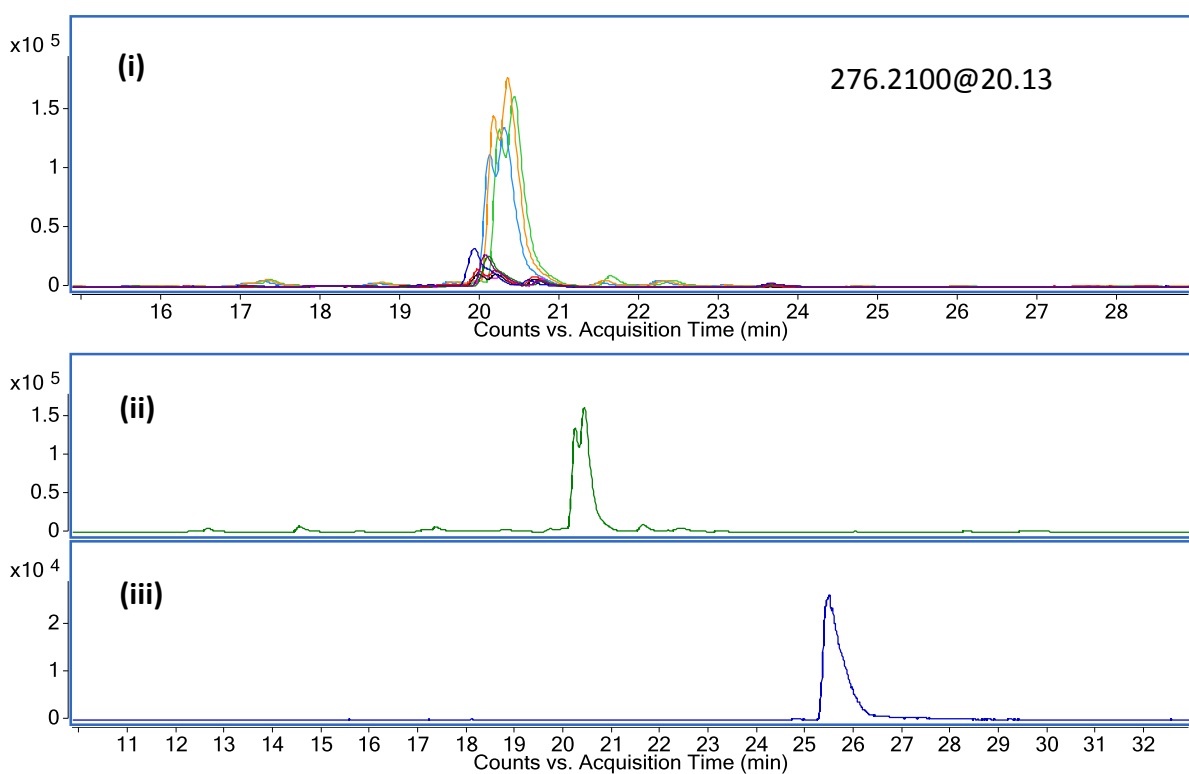
S1F Fig. Comparison with hyperforin standard

(i) EIC of m/z 537.3908 for LJ, BLJ and LD extracts. (ii) EIC of m/z 537.3908 for LJ extract. (iii) EIC of m/z 537.3908 for hyperforin standard.



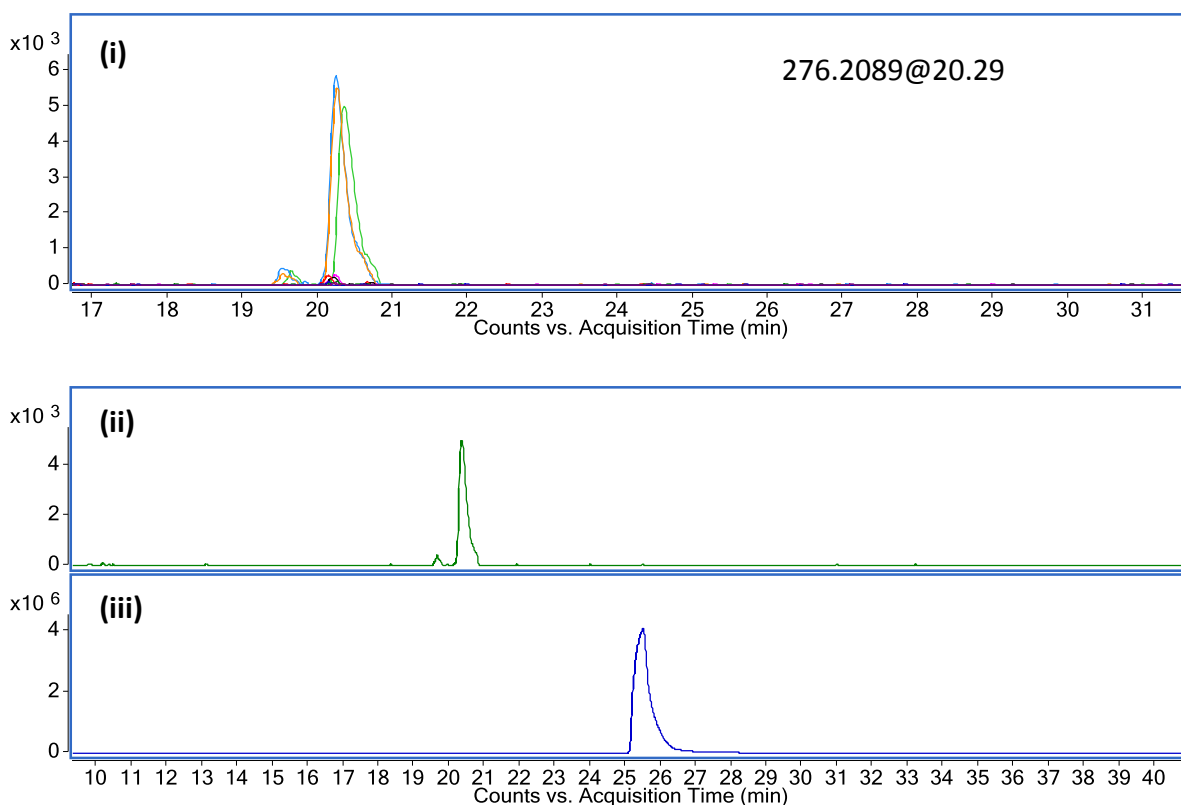
S1G Fig. Comparison with pinolenic acid standard

(i) EIC of m/z 279.2326 for LJ, BLJ and LD extracts. (ii) EIC of m/z 279.2326 for LJ extract. (iii) EIC of m/z 279.2326 for pinolenic acid standard.



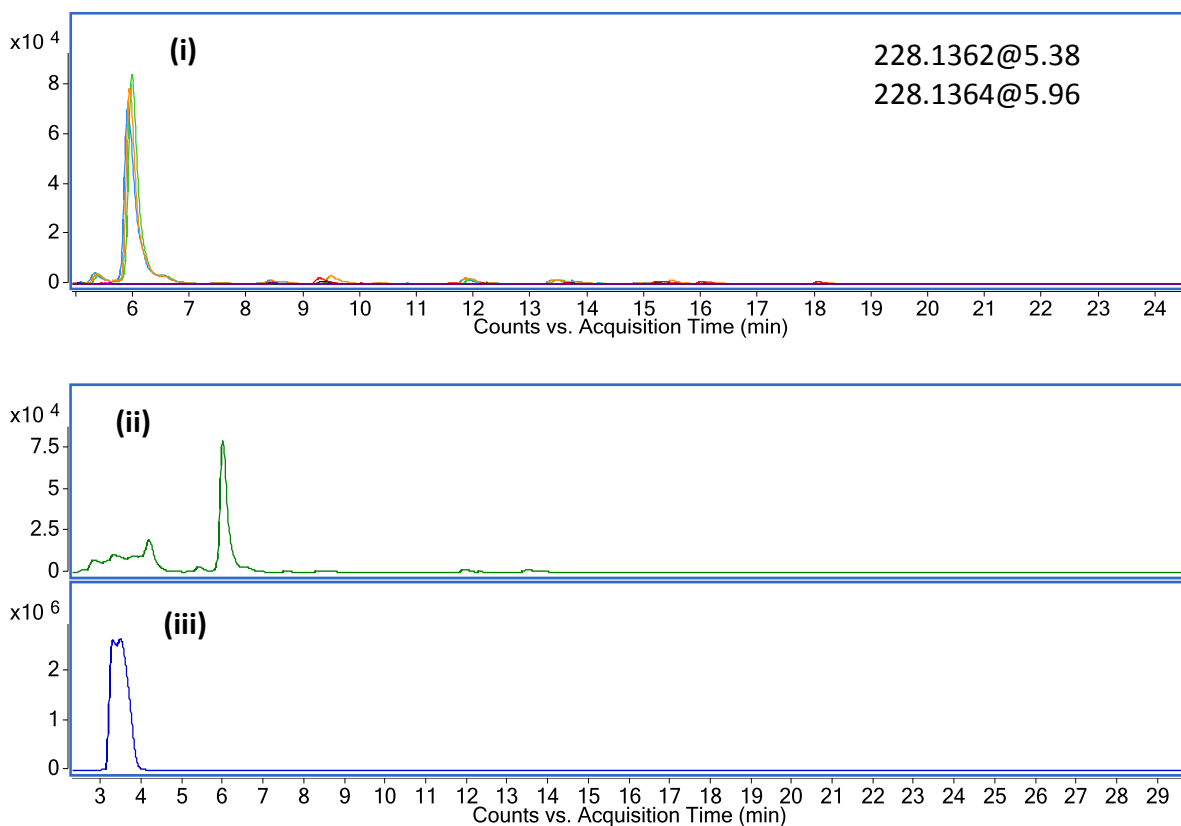
S1H Fig. Comparison with stearidonic acid standard (positive mode)

(i) EIC of m/z 277.2173 for LJ, BLJ and LD extracts. (ii) EIC of m/z 277.2173 for LJ extract. (iii) EIC of m/z 277.2173 for stearidonic acid standard.



S1K Fig. Comparison with stearidonic acid standard (negative mode)

(i) EIC of m/z 275.2016 for LJ, BLJ and LD extracts. (ii) EIC of m/z 275.2016 for LJ extract. (iii) EIC of m/z 275.2016 for stearidonic acid standard



S1L Fig. Comparison with traumatic acid standard

(i) EIC of m/z 227.1289 for LJ, BLJ and LD extracts. (ii) EIC of m/z 227.1289 for LJ extract. (iii) EIC of m/z 227.1289 for traumatic acid standard.